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file 4c

ODP-0-409

7 APR 1980

MEMORANDUM FOR: Director of Logistics

VIA: Special Assistant to the DCI for
Compartmentation

FROM: Director of Security
Director of Data Processing

SUBJECT: Facilities for the Community-wide Computer-
assisted Compartmentation Control System
(4C)

1. Action Requested: A requirement for 5,000 square feet of space to house the facilities for the 4C System has been identified. Your assistance in locating space that meets the requirements listed below is requested. Please note that if we are to meet the 4C development schedule we will need to have suitable office space designated by 3 July 1980, with beneficial occupancy no later than July 1981.

2. Background: The 4C System has been approved by the DCI and is budgeted for implementation in FY-81 and FY-82. The system, which will support the Special Security Center (SSC) and Compartmented Information Branch (CIB) of the Office of Security, will consist of a central computer and communications center (C&C), and terminals and remote job entry (RJE) sites in NFIB Agency buildings throughout the Washington, D.C. area.

The 4C Computer and Communications (C&C) Center will house a midi-computer with characteristics similar to those of an IBM 4341 computer, with supporting COMTEL, crypto and communications equipment. C&C center floor space must be contiguous, and current estimates are:

1) One thousand square feet of vaulted, TEMPEST-shielded false floor area for computer equipment.

2) Five hundred square feet of vaulted, TEMPEST-shielded false floor area for communications and crypto equipment.

3) Five hundred square feet of vaulted office space for storage of supplies and parts, and operations and maintenance work area.

4) Suitable space to house independent air conditioning and backup power equipment.

C&C equipment will require air cooling only. Power equipment will be needed to support a 50 KVA peak load at 110 volts and 60 cycles.

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The SSC/CIB area, which must be near but not necessarily contiguous to the C&C Center, is estimated to be 3,000 square feet of office space. The SSC/CIB presently occupy 2,741 square feet in the [redacted]. The additional space is required to house one added staff member and a high speed printer. Two thousand square feet of this area must be a vault, which will contain approximately nine terminals and CIB files. The SSC/CIB area need not be contiguous to the C&C Center, but if it is not, additional development and operational expenses will be incurred in the form of:

- o Additional communications and crypto equipment and space for it in the SSC/CIB area, leased lines from the C&C Center to SSC/CIB, and additional commo equipment maintenance;
- o Travel between sites during development and operation to accomplish normal 4C functions and coordination.

Our estimate of the staffing requirement for 4C is based on the assumption that the entire facility will be housed outside of the Headquarters Building. At the request of the O/Comptroller, we have provided a second, and smaller, estimate of staffing needs based on the assumption that the facilities of the C&C Center are located in the Headquarters Building in space immediately adjacent to existing central computer and communications installations. In either case, the C&C Center space requirement remains the same.

Space for terminals and RJE sites will be provided and prepared by each NFIB Agency. CIA spaces will generally be on a replacement basis for terminals presently using the SPECLE System. Requirements for new space in CIA facilities for 4C terminals will be provided after system design, but are not expected to be great.

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3. Recommendation: The design of the 4C system, especially the communications network, depends directly on the identification and allocation of sites for the 4C C&C Center, and the SSC/CIB area. To meet the 4C development schedule, these sites need to be designated by 3 July 1980. In addition, a beneficial occupancy date for C&C equipment installation is needed on or before 3 July 1981, based on facility specifications and plans being available in November 1980 and January 1981. We recommend that contiguous space be provided for the C&C Center and the SSC/CIB, as the most cost effective arrangement for 4C development and operation.

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/s/ Bruce T. Johnson

Bruce T. Johnson

CONCUR:

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Special Assistant to the DCI for
Compartmentation


4/7/80
Date


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